

Date: Sat, 24 Sep 94 14:31:46 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1058
To: Info-Hams

Info-Hams Digest Sat, 24 Sep 94 Volume 94 : Issue 1058

Today's Topics:

 Answer to "How far can I talk?"
 Attention So Cal clubs !
 Chicago FM Club
 GB2RS News 25th September 1994
 HT recommendations?
 Ill. scanner laws?
 IPS Daily Report - 22 September 94
 New NY ham license plates
 RAIN Dialup for Sept. 23-29
 The repeater operating on simplex freqs
 TN6RR QSL route
 Tucker Electronics
 when is my license going to arrive!!!!
 Why is aviation COM VHF *amplitude* modulated? (2 msgs)
 Wouff Hong

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 23 Sep 1994 19:12:37 GMT
From: wang!dbushong@uunet.uu.net
Subject: Answer to "How far can I talk?"
To: info-hams@ucsd.edu

mwhite@mitre.org (Michael White) writes:

>Every now and then someone posts a question like: "How far can I talk on an

> HT?". There's lots of "ifs, ands or buts" in the answer to this question,
>but here's a useful little rule of thumb: The distance to the "radio
>horizon" is the square root of twice the antenna height in feet.

That means that if I'm up 50 feet, then I can talk ($\sqrt{2*50}$) = 10 feet?

Just kidding. You mean furlongs, right?

Seriously, though, you should take into account that the other station
might have an elevated antenna and that will affect the maximum
distance as well.

Dave, KZ10

--

Dave Bushong
OPEN/image Recognition Products

Date: Fri, 23 Sep 1994 03:48:02 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!news.sprintlink.net!
redstone.interpath.net!ddsw1!panix!zip.eecs.umich.edu!newsxfer.itd.umich.edu!
gatech!swrinde!sgiblab!@ihnp4.ucsd.edu
Subject: Attention So Cal clubs !
To: info-hams@ucsd.edu

Hello all ham radio clubs !!

need a copy of your newsletter/bulletin(s) to post on my dedicaterd amateur
radio BBS as HAM*INFO*LINK*SOURCE BBS at 1-818-584-1952...

I'am the ARRL affiliated club coordinator for the Los Angeles/So Cal area.
as part of my volunteer duties is to collect and now post all amateur radio
club newsletter/bulletins ! What better way than to post them on my BBS for
all to see & download ! Please send to me here on the Internet or connect
to the bbs and upload "your choice ?"

THANKS in ADVANCE !

73' 88' de joe/kb6axk

--

US AMATEUR RADIO	sysop of the HAM*INFO*LINK*SOURCE BBS
KB6AXK	at 1-818-584-1952,joe cira
PASADENA,CAL,91107	kb6axk@netcom.com

Date: Fri, 23 Sep 1994 01:10:48 GMT

From: agate!howland.reston.ans.net!cs.utexas.edu!asuvax!ennews!stat!
david@ames.arpa
Subject: Chicago FM Club
To: info-hams@ucsd.edu

Anyone know if there will be any license testing at the
"Ham Radio Expo" in Grayslake, IL. on Sunday Sept. 25 1994?

Thankx
Bob

Date: Thu, 22 Sep 1994 18:25:50 +0000
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!news.sprintlink.net!
demon!llondel.demon.co.uk!dave@network.ucsd.edu
Subject: GB2RS News 25th September 1994
To: info-hams@ucsd.edu

Good morning. It's Sunday the 25th of September and here is the GB2RS
news broadcast, prepared by the RSGB and intended for all radio amateurs
and short-wave listeners.

First the headlines:-

The new Young Amateur of the Year is Robert Aley, G7SRR,

Amateur radio is being demonstrated at Earls Court

and fifteen should be open for next weekend's RSGB 21/28MHz Contest.

The 1994 Young Amateur of the Year is seventeen-year-old Robert Aley, G7SRR, who was selected from a list of nominees after interviews at RSGB HQ held by the Radio Society of Great Britain and the Radiocommunications Agency. Robert, who was first licensed as 2E1AXZ, enjoys participating in special event stations, construction, packet radio, designing his own QSL cards and helping the Amiga Amateur Radio User Group. Remarkably, Robert has been an RSGB Novice Instructor since September 1993 and has recruited several more Instructors. In July this year he received his Full Licence and has already booked a date for his 12 words per minute Morse test. Interestingly his examination fee was earned by writing questions for the Novice RAE which were accepted by the City and Guilds.

The runner up is Stephen Conner, GM0TET. He gained his first Novice licence, 2M1ARO, in July 1992 and after passing his 12 WPM Morse test in October became 2M0ADS. In December he gained a double-distinction in the

RAE and became GM0TET. Stephen's activities have included construction, operating the club station for most of a 6 metre contest, helping to teach a Novice course, and repairing converted PMR radios for other club members .

A number of prizes donated by the RSGB, the RA and Industry will be presented to Robert and Stephen at a ceremony held at the RSGB HF Convention on the 9th of October.

Today, Sunday the 25th, is your last chance to visit LIVE '94, the huge consumer electronics show being held at London's Earls Court. This year the RSGB has coordinated an 'Amateur Radio Village' in conjunction with seven other companies, featuring all aspects of amateur radio.

LIVE '94 covers a wide range of activities including music, broadcasting, computers and photography. The Society's aim at the show is to introduce the hobby to as many people as possible and well over a hundred thousand visitors are expected to attend the six-day event. GB3RS and GB2VHF have made many contacts from Earl's Court. Details of LIVE '94 can be found in the September RadCom, pages 26 and 88.

An RSGB Regional Meeting takes place on Saturday the 22nd of October in Bristol. The doors open at 12.30pm, when light refreshments will be available, and the meeting commences at 2pm. Members of the RSGB Council will be in attendance plus representatives of HQ. Full details appear in the October edition of RadCom which was posted to all RSGB members at the end of last week.

The next RSGB Microwave Round Table meeting takes place on Sunday the 13th of November at the British Telecom Laboratories, Ipswich, Suffolk. The event is organised by the Martlesham Radio Society and will commence at 10am. Attractions will include the usual round table sessions, test equipment and bring and buy facilities. The provisional lecture programme includes talks on 10GHz rainscatter, 24GHz and 47GHz activity, as well as an update on the 10GHz Phase 3D transponder by Freddie, ON6UG. For security reasons, all access is by advanced booking only, and it is important to give the names of all persons attending in a group if you request multiple tickets. Tickets can be obtained by sending a Self Addressed Stamped Envelope to Roy Smith, G0RRRC, 'Lykkebo', The Street, Burstall, Ipswich, IP8 3DN.

A new RSGB Liaison Officer (RLO) has been appointed for the Shetland Isles. He is Robert G Miles, GM4CAQ, and his address is 58 Fogralea, Lerwick, Shetland Isles ZE1 0SE. RLOs hold a wide range of information and they are available to help any RSGB member seeking advice.

A new RSGB Liaison Officer (RLO) has been appointed for Durham. He is John Deamer, G4SJJ, and his address is 28 Brackendale Road, Belmont,

Durham DH1 2AB. His telephone number is 091 384 8313. RLOs hold a wide range of information and they are available to help any RSGB member seeking advice.

The British Young Ladies Amateur Radio Association (BYLARA) now has a new secretary. She is Mrs Maureen Ritson, G7FYV and her address is 14 Dunsdale Road, Holywell, Whitley Bay, Tyne and Wear NE25 0NG.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0.

Date: 23 Sep 94 14:47:15 EDT
From: gumby!wmichgw!zimmer@uunet.uu.net
Subject: HT recommendations?
To: info-hams@ucsd.edu

I see that someone posted the same question but did not see any answers posted here. The faq postings didn't help either.

I'm a recently licensed amateur contemplating my first HT purchase. Leading contenders are the Yaesu FT530 and the new Kenwood TH79. Other than the ads in QST I don't know anything about these units. I'm looking for a nice HT dual-bander and at present don't anticipate heavy use. Primary interest will, for now, be in the two meter band. I'm also interested in receiving info on mods or procedures for these units, in particular, extended receive capabilities.

If you feel like recommending other current model HTs to me, please do. Again I would be interested in extended receive capabilities.

Thanks in advance, Roy

W	WWW	WWW	MM	MMM	UU	UUU	U	Roy Zimmer	zimmer@wmich.edu	KB8UBA
W	WW	WW	MM	MM	UU	UUU	U	Telecommunications Department		
W	W	W	W	MM	M	M	M	UU	UUU	U
W	WW		MM	MM	MM	UUU	UU	Kalamazoo, Michigan		USA

Date: 23 Sep 94 14:49:50 EDT
From: gumby!wmichgw!zimmer@uunet.uu.net
Subject: Ill. scanner laws?
To: info-hams@ucsd.edu

I will be traveling to Chicago in the near future. What are the Illinois laws regarding scanner usage and transport? I've got an amateur license,

if that makes a difference in this case (it does in Michigan).

Thanks for your help, Roy

W	WWW	WWW	MM	MMM	UU	UUU	U	Roy Zimmer	zimmer@wmich.edu	KB8UBA
W	WW	WW	MM	MM	UU	UUU	U	Telecommunications Department		
W	W	W	W	MM	M	M	M	UU	UUU	U
W	WW		MM	MM	MM	UUU	UU	Kalamazoo, Michigan		USA

Date: 23 Sep 1994 11:17:54 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!EU.net!Germany.EU.net!

Munich.Germany.EU.net!thoth.mch.sni.de!news.sni.de!nanette!kebsch@network.ucsd.edu

Subject: IPS Daily Report - 22 September 94

To: info-hams@ucsd.edu

In <1994Sep22.232156.23335@ips.oz.au> rwc@flare.syd.ips.oz.au (Regional Warning Centre) writes:

>SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT

>ISSUED AT 22/2330Z SEPTEMBER 1994 BY IPS RADIO AND SPACE SERVICES

>FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.

>SUMMARY FOR 22 SEPTEMBER AND FORECAST FOR 23 SEPTEMBER - 25 SEPTEMBER

Hi,

are there articles, books, etc, available, where I may find some explanations of the terms used in this article?

Regards

Waldemar

PS: "Ich versteh' nur Bahnhof" (How to say it in English ..? :-)

--

Waldemar Kebsch (dk3vn), c/o Siemens Nixdorf Informationssysteme AG,
33106 Paderborn, Federal Republic of Germany, E-Mail: kebsch.pad@sni.de

+

+

+++++++ Es geschieht nichts Gutes, es sei denn, man tut es! ++++++++

Date: Sat, 24 Sep 1994 17:01:03 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!usc!

nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!

tja@network.ucsd.edu

Subject: New NY ham license plates

To: info-hams@ucsd.edu

Marc B. Grant (marcbg@metronet.com) wrote:

: I'm jealous! Those NY Ham plates look great!

The New Connecticut plates look good too, have you seen them? It has a lighthouse on it and the traditional lightening bolt on the plate. I have them, they are nice.

Tom

--

-----[T.J. Alessi - WB1L]-----
T.J. Alessi & Associates * PO Box 16781 * Stamford, Connecitcut 06905-8781
Internet: TJA@Netcom.Com * MCI:Alessi@MCIMail.Com * Phone: +1(203)969-1880

Date: Fri, 23 Sep 94 18:49:20 -0500
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!
news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!f511.n115!f738.n115!
f119.n115!f747.n115!Kc9rp@network.ucsd.edu
Subject: RAIN Dialup for Sept. 23-29
To: info-hams@ucsd.edu

The September 23-29, 1994 edition of the RAIN Dialup (708/827-RAIN) includes:

"GMRS, the Best Kept Secret", part 1
interview with Corwin Moore/WB8UPM, the driving force behind the Personal Radio Steering Group (PRSG).

RAIN (Radio Amateur Information Network) programming identical to that heard on the RAIN Dialup is available on audiocassette for significantly less than long distance charges. For an information sheet, call RAIN's voice mail (708/518-6551) and leave your name, call sign, and mailing address.

The RAIN Dialup is heard in Markham, IL, Wed. at 8 PM on the W9NXP A.R.E.A. repeater, serving Chicago's south suburbs on 147.135 Mhz. RAIN programming is suitable for relay via ham radio.

73, de Hap/KC9RP @ W9ZMR.IL.USA.NOAM.
Internet: rain@radiohobby.chigate.com

Date: Sat, 24 Sep 1994 08:16:54 GMT

From: iglou!iglou!davidm@uunet.uu.net
Subject: The repeater operating on simplex freqs
To: info-hams@ucsd.edu

In article <1994Sep19.115802.10726@ke4zv.atl.ga.us>,
gary@ke4zv.atl.ga.us (Gary Coffman) wrote:

> that band plans are *regional*, and not handed down from on high by
> the ARRL. Of course you wouldn't expect to see that in a ARRL publication.

Quoting from the The ARRL Repeater Directory, 1994 - 1995 edition, page 25:

Regional Frequency Coordination

The ARRL supports regional frequency coordination efforts by amateur groups. Band plans published in The ARRL Repeater Directory are recommendations based on a consensus as to good amateur operating practice on a nationwide basis. In some cases, however, local conditions may dictate a variation from the national band plan. In these cases, the written determination of the regional coordinating body shall prevail and be considered good amateur operating practice in that region.

End quote.

This same paragraph was also in the 1993 - 1994 edition, also on page 25. I'm pretty sure it was also in the 1992 - 1993 edition, but I gave my copy of that one away, so I don't have it handy to confirm that.

David KD4RMW
davidm@iglou.com

Date: 23 Sep 1994 03:58:07 GMT
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!
cs.utexas.edu!gerald@cc.utexas.edu!astro.as.utexas.edu!oo7@network.ucsd.edu
Subject: TN6RR QSL route
To: info-hams@ucsd.edu

jfj@pacer1.usca.scarolina.edu (John F. Jarvis KE2WB) asks:

>>Any suggestions re a QSL route for TN6RR very greatly appreciated.

Almost certainly via SL1M - save your \$\$\$. TN0CW was
real, though...

Derek Wills (AA5BT, G3NMX)

Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: Fri, 23 Sep 1994 06:54:49 -0800
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.sprintlink.net!nwnexus!olympus.net!ptpm010.olympus.net!user@network.ucsd.edu
Subject: Tucker Electronics
To: info-hams@ucsd.edu

Several years ago I bought an old used HP digital voltmeter from them.
The unit arrived very well packaged with a manual. Their catalogs are a
great source of info about old test equipment. But it seems their test
gear prices have really gone up in the last year. They can copy many
manuals (and the HP manuals are BIG) but they charge plenty for them.

They have also started selling Ham and computer gear. They have a 300W
tuner that looks like a real bargain at \$140. They usually have prices in
their ads instead of "call for latest price". These prices appear quite
competitive (hard to tell since so many other dealers don't advertise
prices).

The standard disclaimer: I am just a customer and have no other interest
in Tucker Electronics.

In article <marcbg-2209941507140001@net42.metronet.com>,
marcbg@metronet.com (Marc B. Grant) wrote:

> Hi Gang
> I'd like to know what kind of experiences you've had with Tucker
> Electronics. I prefer email replies, but you may also follow up to this
> thread.
>
> Thanks in advance!
>
> --
> Marc B. Grant | Fax: 214-231-3998 | "There's no excuse
> marcbg@metronet.com | Pager: 214-246-1150 | to drink bad beer"
> Amateur Radio N5MEI | | - Solona Beach Brewery

--
philkeys@pt.olympus.net (Phil Keys) KB7WXQ
Software Consultant - specializing in software safety & quality assurance
Port Hadlock, WA 98339 (206) 379-8650
West of Puget Sound.....South of British Columbia.... 122 44.0W 48 02.0N

Date: Fri, 23 Sep 1994 05:13:35 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: when is my license going to arrive!!!!
To: info-hams@ucsd.edu

Mike Lyon <mlyon@rahul.net> writes:

>i am really getting mad. i see all these posts saying that people that
>have taken the test a week after i did have recieved their licenses. what
>the fuck is up with mine? well i guess it just another case of the 'ol
>federal government.

Well Mike, I hope you don't talk on the air using the same language
you use here on this newsgroup (with its estimated 50,000 readers
worldwide).

Just be patient, do a lot of listening, and study for your upgrade
in the meantime.

73,
Jeff NH6IL

Date: Fri, 23 Sep 1994 05:03:09 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: Why is aviation COM VHF *amplitude* modulated?
To: info-hams@ucsd.edu

David Stockton writes:

> Aircraft do tend to travel further afield. Changing over would
>involve changing an airport and all the aircraft using it
>simultaneously. These aircraft use other airports, so those must also
>change at the same time - and so on. In this way the whole world (except
>the odd reclusive country) would have to change over at once.

Nice argument but it has flaws.

Recall back in the mid-70's the transition the MF marine band went
through: AM to SSB. We at the Coast Guard Radio Stations, during
that transition period, made our MF voice broadcasts in such a way
that those with either AM or SSB radios could copy us. The ITU set a
specific date in which AM would no longer be allowed; it was up to

boat/ship owners to equip their vessels with SSB by that date. This was a worldwide transition.

Keep in mind there were more ships/boats involved in that change-of-mode transition than there would be airplanes today. [And boy what fun it was picking up those marine radios practically for free and using them on 80 and 160M!]

If aviation were to switch from AM to FM (or even SSB) the control towers, just like the Coast Guard, would have to maintain equipment on both modes during the transition period; it wouldn't have to be a change done simultaneously worldwide as implied in your article.

I would think that SSB would be the perfect mode for VHF aviation comms since there's no capture effect when two stations xmt at the same time; HF aviation comms have of course been using SSB for decades.

> Land mobile has been historically broken into small, isolated groups,
>so a group could buy new FM gear when it wanted. Channel spacings
>weren't affected. Joe's taxis could change quite independantly of the
>fire brigade etc as the two systems are isolated.

Again, the switch from AM to SSB on the MF marine band was worldwide.

> Maritime VHF is FM because they used HF mainly,

you mean MF of course; prior to the incorporation of the VHF marine band mariners used the 2-3 Mc band for coastal comms.

>and only started
>later on VHF, after FM was proven.

Not quite. Maritime VHF FM came into use in the mid-70's at the same time the world went through the AM to SSB transition. FM in general was a proven mode in the 50's.

>Aircraft went for VHF early because
>of the benefit of smaller antennae.

Hmmmm... More important is the limited line-of-sight capability of VHF for local comms; an aircraft wishing to contact a tower only 100 miles away might have difficulty on an HF aircraft band.

Jeff NH6IL

Date: 24 Sep 94 19:37:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: Why is aviation COM VHF *amplitude* modulated?
To: info-hams@ucsd.edu

(from various peoples)

>It's due to a simple fact that AM preceded FM and that AM is what
>was available when airplanes began using radios.

obviously, this is the big reason. Much the same way the computer industry has to work to run 1983 MS-DOS applications on the modern super PC just because there might be someone that really wants to run some program of that vintage.

>I think the best answer so far was that FM's capture effect would
>be detrimental, if not dangerous, to air-ground comms.

this is the second reason and the reason why today you don't see a change. having 2 calls at once is one of the things a controller will tell you happens regularly. stuck microphones are another (when the pro line II radios came out with the stuck mic timer, we (my employer) received a good number of very nice and extremely positive comments about it. we probably should have it on ham HTs and mobiles as well...8))

>It still has little to do with FM capture effect. It's purely economic.

nope. retrofit was the salvation for a good part of the business in the 80's. people wanted the new radios with the new diagnostic stuff in 'em and all that but they have to work with the old system. and w/o stuck microphone timers, a aircraft with a stuck transmitter next to the antenna farm at the airport could stop all communications in their tracks...

>How old is the average airplane? How old is the average car that uses
>land-mobile radio service? And how much \$\$ does an aircraft radio cost
>compared to one suitable for a car? And typically it's the government
>user that uses land-mobile radio services who can decide to spend the
>\$\$\$ because it's only tax dollars they are spending, not their own personal
>dollars.

aircraft are generally flown until something makes them unable to fly. virtually everything on the airplane is replaceable so you get the 20 year old ax that's had 17 handles and 6 heads...so unless something breaks that's not replaceable or is truly expensive, it'll generally be fixed and the aircraft put back into service. We still make some 30 (40??) year old stuff because for the customer there is no replacement and he can't afford to recertify the

aircraft to move into the modern equipment. Believe that's also true at Honeywell and AlliedSignal (the competition).

sometimes you can do a retrofit and we've also made new equipment that was functionally interchangeable with the old equipment (such as the VHF-21 replacing the VHF-20()).

landmobiles aren't TSOed. g'wan. bet the Moto radio software won't pass DO-178. and it probably won't make DO-160C on environmental. and they don't see extremes of environments in normal operation (where your radio would be mounted in a wheel well, in the baking sun, then quickly elevated to 30K feet and really cold for a couple of hours and then back to sea level and +95 ambient again...

the staute of repose bill was signed by Clinton (gee, he's not _all_ bad..8)) so that's going to be working it's way into the system..maybe aircraft will again be able to be sold w/o having thousands of dollars of liability insurance for the manufacturer built in to the price...and then we'll start seeing new aircraft again.

>Jerry Bransford

Bill Newkirk
Rockwell Avionics/Collins

Date: Fri, 23 Sep 1994 19:03:00 GMT
From: newsgate.melpar.esys.com!melpar!phb@uunet.uu.net
Subject: Wouff Hong
To: info-hams@ucsd.edu

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Yes, such a secret society exists within the ARRL. Like the
>Illumini, the Trilateralists, and the New World Order, this

The first example above should be "Illuminati," not
"Illumini."

73 DE K4MSG

>:-) :-) :-)

>Gary

>--

>Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
>534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244				gary@ke4zv.atl.ga.us

Date: (null)

From: (null)

Date: (null)

From: (null)

And from Greece, N1JAC will be active as N1JAC/SV2 from now until Wednesday the 28th of September, including the multi-operator participation in the CQ World Wide RTTY contest this weekend.

Now the rallies we know of for today, Sunday the 25th of September:

The Harlow Amateur Radio and Computer Show is being held at the Harlow Sports Centre. There is easy access off the M11 motorway at junction 7, the A414, and other routes are signposted. Doors open 10.30am. This year's event has extra floor space and more entrances will be used. The event features many trade stands and a bring and buy area. Full catering and lounge bar facilities are available in the complex. Talk-in is on S22 and SU22 by G6UT.

The Three Counties Rally is being held at the Three Counties Show Ground, Malvern. Doors open at 10.30am. The event features a large selection of trade stands, covering radio and computer, a bring and buy stall and four lecture periods on amateur radio topics. Refreshments are

available.

The North Wakefield Radio Club Rally is being held at the Outwood Grange School, Potovens Lane, Outwood, Wakefield, located just one mile from the M1 and the M62. The event features trade stands covering radio and computer interests, local radio groups, a Novice stand and a bring and buy stall. RSGB Morse Tests will be available on demand, subject to the usual fee and the need to bring two passport size photographs.

The SDX Cluster Support Group (GB7SDX) Junk Sale is being held at the Community Centre, Maryhill Road, Glasgow. There are facilities for disabled and also ample car parking space. Doors open at 11am. The tea rooms are open to provide hot/cold drinks and also light snacks. Talk-in is on two metres, channel S22.

Finally, a reminder that the Peterborough Radio and Electronics Society, East of England Rally which was to have taken place today, Sunday the 25th, has been cancelled.

Next the two events we know of for next Sunday the 2nd of October:

The Blackwood and District Amateur Radio Society Rally is to be held at the Community College, Oakdale, near Blackwood, Gwent. Doors open at 10.30am. The event features many trade stands and a bring and buy stall with a 'one pound per item or job-lot' fee and raffles. Talk-in will be on 2 metres, channel S22. For further details contact Norman, GWOMAW on 01495 227550.

The Great Lumley Radio Rally is to be held at Great Lumley, near Chester-le-Street, County Durham. Doors open at 11am, or 10.30 for disabled visitors. The event features a varied selection of trade stands and a bring and buy stall. Refreshments will be available. Children under 14 accompanied by an adult will be admitted free. Further details from Barry, G1JDP on 0191 388 5936.

Now a date for your diary:

The RSGB International HF and IOTA Convention is to be held from Friday the 7th until Sunday the 9th of October, at the Beaumont Conference Centre, near Windsor. Full details, including late booking information, can be found on page 57 of September's edition of Radio Communication, or can be obtained by calling 01442 62929.

Now for the HF contest news:

Firstly, the rules and dates for the RSGB QRS Cumulative Contests for September and October 1994 have not been published. Anyone requiring a

copy of the rules should contact Chris Burbanks on 0115 937 6441
{Newsreaders: note that we will be introducing some of the new STD codes
(see RadCom, Sept, p7) into GB2RS from this week. Nottingham has a new
code 0115 but most will just contain an extra '1' and the codes really
do work now}

The Scandinavian Activity SSB Contest lasts until 1800 today, on 3.5 to 28MHz, but not the WARC bands. Also the CQ World Wide RTTY DX Contest runs until 2400 today, Sunday the 25th, on the 3.5 to 28MHz, but not the WARC bands. See September RadCom page 18 for more information on both of these events.

The RSGB 21/28MHz SSB Contest takes place from 0700 to 1900 UTC next Sunday the 2nd of October. See June RadCom page 82 for full details.

Next some VHF contest news:

The RSGB 70MHz Trophy and SWL Contest takes place from 0900 to 1400 UTC today, Sunday the 25th. There are three sections: Single Operator Fixed, All Others and Listeners. See July Radcom page 82 for further details.

Another RSGB 10GHz Summer Cumulative Contest takes place from 0900 to 2100 UTC today, Sunday the 25th. See April's RadCom for details.

The RSGB 432MHz to 24GHz Contest takes place from 1400 UTC on Saturday the 1st, until 1400 on Sunday the 2nd of October. Concurrent with this, the IARU 432MHz to 24GHz Contest is also taking place.

Also the RSGB 1.3GHz Trophy and Listeners Contest and the 2.3GHz Trophy and Listeners Contest takes place from 1400 to 2200 UTC next Saturday the 1st of October. Full details appears in June RadCom page 83.

The WAB 50MHz Phone Contest takes place next Sunday the 2nd of October from 0900 to 1400 UTC. There are sections for Fixed, Portable, Mobile and Listener. Full details available from Gordon, G4SKQ whose address is correct in the RSGB Call Book, or via packet at GB7SYP.

The RSGB 144MHz CW Cumulative Contests will take place from 2030 to 2300 local time, on Friday the 14th and Monday the 31st of October. Use a 4422 summary sheet to show scores for each day, and the best three days will be totalled. Please send all logs plus a single 427 cover sheet for entry. Rule 10 applies. There are two sections; the first for single operator or portable entries, and the other for listeners. The Adjudicator is David Johnson, G4DHF, 65 West Street, Bourne, Lincolnshire PE10 9PA.

A special event station active this week is GB2EPF. It will be operated by members of the Grafton Radio Society during next Saturday the 3rd of

October at the Police Sports Ground at Chigwell, Essex. Operation will be on HF and VHF on SSB, with Amateur Television on 23 centimetres and packet on 2 metres. Further details from Rod, on 0181 368 8154.

And now the solar factual data:

The period from the 12th to the 18th of September saw the quiet side of the sun coming into view, with all solar parameters declining. The spot count at Meudon was zero on the 16th. Every alternate solar rotation is now recording at least one zero. The daily sunspot indices meaned at 14 for the period. Solar flux levels declined from 77 units on the 12th, down to 70 by the 17th and averaged 73 units for the period. The 90 day average was 79 units on the 18th.

The geomagnetic Ap levels declined from just unsettled on the 12th to quiet levels of only 4 units by the 18th, giving an average of 9.2 units. The state has been 'nil nothing to report' throughout the period. The aa indices, as reported by the British Geological Survey for the period from the 6th to the 12th of September, averaged 37.1 nanoTeslas, about K3. The 7th was the most disturbed day with an index of 59.3 nanoTeslas and a period up to 101 nanoTeslas. There was no quiet period any day. The X-Ray flux has also declined from A4.1 units on the 12th down to only A1.0 by the 18th, giving an average of A1.6 units for the period. The electron fluence has declined from high levels on the 12th down to median levels through to the 18th.

I'll repeat the figures. Spots - 14; Flux - 73; Ap index - 9.2; X-ray flux - A1.6.

Now the ionospheric data for Central France:

The F2 daytime critical frequencies at Poitiers, as reported by Meudon for the period from the 12th to the 18th of September, averaged 6.5MHz. The darkness hour lows averaged 3.0MHz with very little variation day to day. Some blanketing E was reported on the 16th and 17th. Now that the seasonal changes are having an effect, the daytime highs are occurring around 19.00 hours, with the darkness hour lows around 05.00 hours.

I'll repeat the figures. Highs - 6.5MHz; lows - 3.0MHz.

No ionospheric data has been received this week from Ekaterinberg.

And lastly the solar forecast:

This week, the more active side of the sun will be rotating into view. Solar flux levels are expected to be about the 90s. The geomagnetic field is expected to be mainly at quiet levels. Daylight Ionospheric MUFs in the south are expected to be about 21MHz. Darkness hour levels

are expected to be around 10MHz. The best paths will be north/south.

And that's the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns allocated were in the G0 Victor Golf and G7 Tango Sierra series, and Novice calls in the 2 0 Alpha India and 2 1 Delta Kilo series.

--

GB2RS is prepared by the Radio Society of Great Britain and is broadcast in the 80m, 40m, 6m and 2m bands.

Tel +44 1707 659015 Fax +44 1707 645105

End of Info-Hams Digest V94 #1058
